



Eberspaecher Installation Manual-Dual Wi-Fi

How it works

Thank-you for purchasing the ROMHEAT WI-FI CONTROL. We believe you will enjoy its ease of operation and abundant features. This controller works independently from any cellular or satellite signal by creating its own Wi-Fi hotspot which then communicates directly with a smart phone/laptop/tablet etc. The range is limited to about 10-30 meters, depending on obstructions. Once programming is in place, the controller will operate the heater independently from the phone/tablet/laptop etc. The Wi-Fi unit can now control both the coolant heater and the bunk heater if required. The Wi-Fi controller provides a 7-day schedule with multiple times per day, full diagnostics (complete with description of fault), and a reset function for clearing codes and unlocking heaters. So, you now have the option of having both your engine and your cab warm when you're ready to go to work. Finally, there are no monthly cellular connectivity fees as it operates on its own network.

Mounting Location

With the External Antennae, we have found that it is best to mount both the controller and the antennae inside the cab of your equipment, though both are weather proof for external installations where needed. The controller can be mounted somewhere inside the dash. Affix the antennae to a suitable surface where the range can be optimized, metal drastically attenuates the signal.

Wiring

Please ensure the main fuse for the heater is removed prior to installation of the ROMHEAT WIFI CONTROL.

If this is a retrofit and you already have a switch or a timer, they can no longer be used. Please remove these from the systems prior to beginning the installation.

For best results extend wires by soldering and sealing with heat shrink. There are 9 wires.

Coolant Heater

Controller	Eberspaecher Controller Harness
9-Black (Ground)	Brown
8-Red (Power)	Red
7-Blue (Data)	Blue
6-Yellow (Control)*	Yellow*

* Only use this wire if there is a yellow wire on the Eberspaecher Harness. If not, simply seal it off to prevent potential shorting issues.

Coolant Heater Manual Switch (Optional)

Controller	Momentary Switch
1-White (Switch)	Normally Open (Red) **
2-Black (Ground)	Common (Green)
2-Black (Ground)	Ground (Black)
3-Green (LED)	Power (White)

** These colors are on the switch harness we supply.

Air Heater with Digi Max D-1000

Controller	Eberspaecher Controller Harness
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4-Orange (Control)	Yellow
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5-Purple (Data)	Blue
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Air Heater without Digi Max D-1000*

Controller	Eberspaecher Harness
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4-Orange (Control)	Yellow
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5-Purple (Data)	Blue
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2000 ohm resistor	Brown with White stripe & Red with Gray stripe
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* The 2000 Ohm resistor is necessary if you are not using an Eberspaecher Digi Max D-1000. Please install the resistor across the wires as indicated above.

Start-up

Please ensure your WIFI is turned on your smart phone and Notifications or "Ask to Join Networks" enabled. Immediately, as long as you are in the specified range, HEATXXXXXX will pop up on your screen. Click on this network.

Now go to the internet address bar (NOT THE SEARCH BAR) and type in <http://10.10.10.10>

ROM Heater Controls will come up.

Save this site to "favorites" OR HOME PAGE and it will always appear on your phone.

Manual On/off

The first screen is simply for manually turning on/off the heater. Upon the heater being turned on, the Heater Status will switch from off to on and light up.

Diagnostics

Press the menu option (black box with the 3 lines) to access diagnostics. Press "Diagnostics" to view fault history. In the event of a fault, repair as necessary. If it is a lock-out fault, you can "Reset Fault Codes" at the bottom of the screen.

Schedule

After returning to the menu, press "Schedule" to program the heater to come on. For each day of the week, you can program the start time and the heat time. If "Disabled" is chosen, the heater will not come on that day. For most applications a 2 hour "heat time" is sufficient. In this case, you would want to set your timer for 2 hours before you plan on starting your equipment. You can set up to 4 times per day with heater 1, heater 2, or both heaters. You can have the event happen just once or repeat.

Temperature Adjust

This adjustment allows to set your cabin temperature if you have a bunk heater installed.

Settings

Under "Settings" there are four options plus a window showing Device Information.

Clock

Set Clock to ensure time is correct-**needs to be done on initial set-up**

SSID

The original SSID of HEATXXXXXX needs to be changed. We recommend company name followed by unit number. Ex. ABC1234. This way if you have multiple units you can easily determine which unit you are addressing.

Set Heater Run Time

This allows you to set how long you want the heater to run when you manually turn it on. Please note it is possible to set "No Limit" which means the heater will continue to run until it is shut off manually.

Wi-Fi Security

You are able to set up a security password for the device. If doing so, document this under notes in your phone so it is not forgotten. In the event, if it is forgotten you will need to either press the switch 8 times (1 sec on – 1 sec off) then hold switch in 10 seconds. If you have no switch you will need to cycle the white and black wires directly off the controller.

For more information go to our website WWW.ROMHEAT.COM